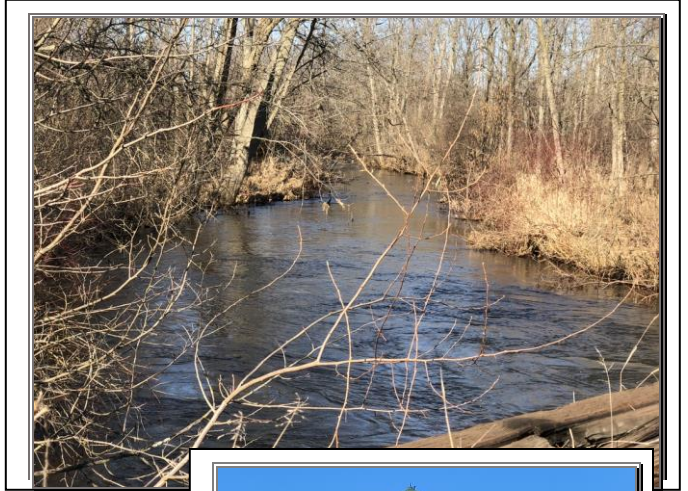


# Van Buren County Drain and Lake Level Assessments Annual Report 2021-22







Honorable Board of Commissioners  
Van Buren County  
State of Michigan

In compliance with the provision of Section 280.31 of Chapter II, of Act No. 40, of Public Acts of 1956, as amended, I have the honor as the elected Drain Commissioner of said County of Van Buren, to submit the 2022 Annual Report covering the period from the 1st day of October 2021, to the 30th day of September 2022.

Respectively submitted by,

Joe Parman  
Van Buren County Drain Commissioner

### Drain Office Staff

Joe Parman, Drain Commissioner  
Georgia Genis, Deputy Drain Commissioner  
Colin DeYoung, SESC & Drain Maintenance Supervisor  
Vacant, Chief Deputy Drain Commissioner

# Van Buren County Drain and Lake Level Assessment Summary 2022

Drains/Lake Levels Assessments for 2022: **52**      Assessment Total: **\$650,263.26**

Parcel Totals: **\$399,739.10**      County At-Large Total: **\$87,548.48**

Townships, Cities, Villages, Rail Roads and MDOT At-Large Totals: **\$151,150.68**

Contract Maintenance: **26 Drains**      AWP, Sheriff's Crew Drain Maintenance: **22 Drains**

Active petition projects for new drains, branches/extensions: **3** Drain Petitions

Current Receivables: **\$650,263.26**      Deferred Receivables: **\$2,026,366.19**

## 2006-2022 Van Buren County At-Large and Assessment History

| Year        | County At-Large    | Total Assessments   |
|-------------|--------------------|---------------------|
| <b>2022</b> | <b>\$87,548.48</b> | <b>\$650,263.26</b> |
| <b>2021</b> | \$62,301.54        | \$556,316.80        |
| <b>2020</b> | \$61,846.14        | \$519,496.25        |
| <b>2019</b> | \$59,893.07        | \$427,998.39        |
| <b>2018</b> | \$54,511.20        | \$449,198.96        |
| <b>2017</b> | \$74,225.86        | \$606,890.87        |
| <b>2016</b> | \$72,954.13        | \$658,005.64        |
| <b>2015</b> | \$87,202.16        | \$646,388.96        |
| <b>2014</b> | \$119,627.47       | \$905,910.38        |
| <b>2013</b> | \$126,949.06       | \$1,005,638.75      |
| <b>2012</b> | \$97,577.26        | \$817,609.55        |
| <b>2011</b> | \$88,177.82        | \$648,060.19        |
| <b>2010</b> | \$79,891.19        | \$557,637.06        |
| <b>2009</b> | \$54,674.63        | \$345,483.35        |
| <b>2008</b> | \$38,807.54        | \$270,973.95        |
| <b>2007</b> | \$58,735.79        | \$458,725.00        |
| <b>2006</b> | \$35,311.45        | \$343,277.26        |

## Drain Maintenance Construction/Contracted Projects 2021-22: 26 County Drains

**Sediment and tree/brush removal:** An increase in intense rain events, impervious surfaces, a lack of vegetation along drains and tiled areas has caused in-stream erosion and sediment runoff from surface flow in county drains. County drains that are outlets to lakes also accumulate sediment from beach sand runoff, plant/bio breakdown (silt) and shoreline erosion.

**Tile Drain Repair:** Many county drains were established prior to 1900 and tile drains were of clay construction. Clay tile was not designed to last over 100 years, handle larger storm events and increase storm water runoff. Older tile drains cost thousands of dollars to replace and would require a petition or township resolution to exceed annual maintenance costs. Until the drain office receives a drain petition or township resolution, many of the current fixes are just putting band-aids on failing tile systems. The Michigan Drain Code limits maintenance on county drain to \$5,000 per drain, per year, per mile without a petition or resolution.



### **Tripp Drain, Geneva Twp.**

#### **Left - Before:**

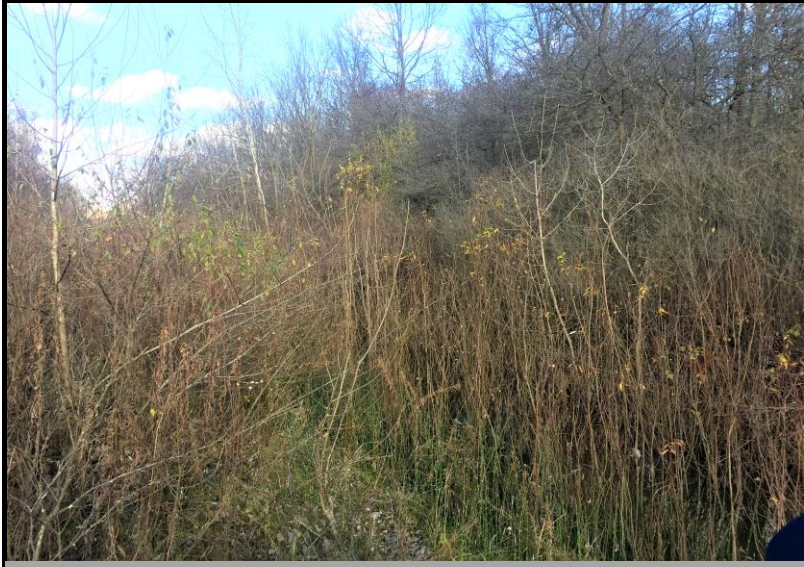
Sediment removal and bank repair on the drain.

#### **Below: Construction**

Because of the high velocities of the water, it was necessary to hard armor the toe of banks and soften the curves of the drain.







Brush in and along county drains is a continuous maintenance problem. With newer equipment, brush clearing has become more efficient and cost effective.

Equipment: Larger mini excavator, 19 ft. reach with a brush cutter/chopper head.

### **Rawson & Huckleberry Drain, Waverly Twp.**

**Above:** Before work.

**Right:** Excavator with brush cutter/chopper head.

**Below:** After work was done in the drain along the right-of-way.

**Contractor:** Tim Gregory, Xander Rhett





## **Beaver dam removal and trapping - 69 Beavers Trapped as of September 2022:**

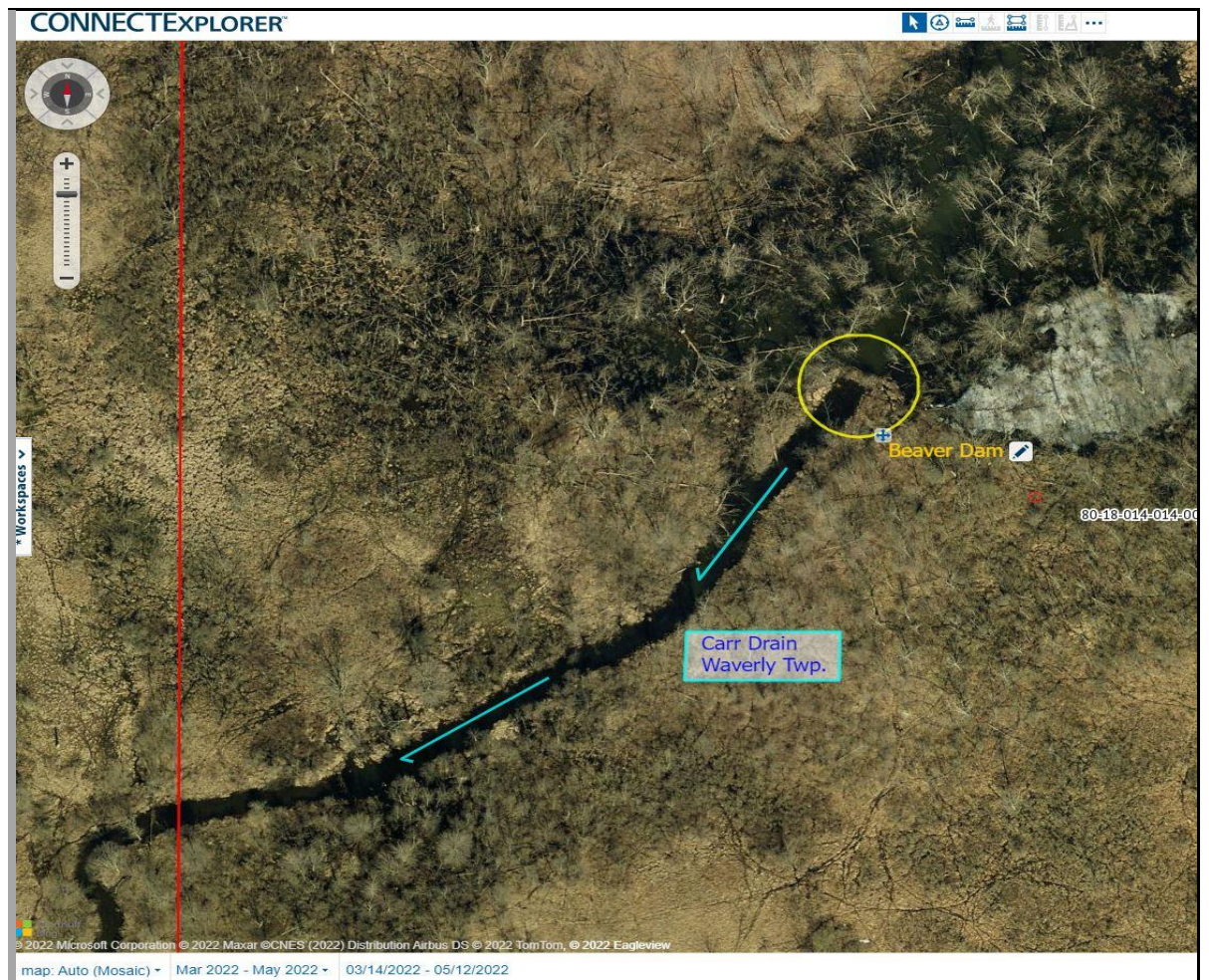
Beaver dams caused road, crop, and property flooding in 2021/22. The removal of beaver dams and beavers are an annual maintenance problem and has remained steady for the past 6 years.



**Left:** Todd Drain,  
Almena Twp.

**Below:** Carr Drain,  
Waverly Twp. 2022  
Aerial Image

Beaver dams on  
County Drains  
causing water to back  
up and flood  
properties and roads.  
Beavers trapped and  
the Sheriff's Drain  
Work Crew removed  
dams to relieve the  
flooding.





| Van Buren County Drain Commissioner 2022 Annual Report for Beaver Trapping<br>as of September 30, 2022 |                     |           |
|--|---------------------|-----------|
| County Drain   | Location            | Beaver    |
| Bessey Drain   | Columbia Twp        | 2         |
| Blade & Ext Drain  | Decatur Twp         | 6         |
| Carr Drain   | Waverly Twp         | 2         |
| Carter Creek Drain   | Waverly Twp         | 2         |
| Cedar Drain  | Bangor Twp          | 5         |
| Cook Drain   | Antwerp Twp         | 6         |
| Duck Lake Drain  | Bangor Twp          | 2         |
| Eagle Lake Drain   | Paw Paw Twp         | 5         |
| Haven Drain  | Bloomingtondale Twp | 1         |
| Little Bear Lake Drain   | Columbia Twp        | 4         |
| Mud Lake Drain   | Bangor Twp          | 2         |
| Munn Lake Drain  | Bloomingtondale Twp | 1         |
| Nelson Lake Drain  | Lawrence Twp        | 1         |
| Pinegrove & Bloomingtondale Drain  | Bloomingtondale Twp | 2         |
| Round Lake Level Drain   | Keeler Twp          | 2         |
| Saddle Lake Drain  | Columbia Twp        | 1         |
| Scott Lake Drain   | Arlington Twp       | 2         |
| School Section Lake Drain  | Bangor Twp          | 3         |
| Shellenberger Inter-County Drain   | Decatur Twp         | 1         |
| Todd Drain   | Almena Twp          | 2         |
| Van Auken Lake Drain   | Bangor Twp          | 8         |
| Valleau Drain  | Waverly             | 9         |
| <b>Total</b>   |                     | <b>69</b> |

**Carter Creek Drain,  
Waverly Twp:**

Beaver Dam located downstream from the Buckley Drain intersecting the Carter Creek Drain causing two drains to back up and a road to flood. 2 Beavers trapped and Sheriff's Drain Work Crew removed dam.





**Sheriff's Drain Maintenance Crew - Maintenance 2021-22:** Completed maintenance on 22 county drains (7 months).

The Sheriff's Drain Maintenance Crew removes trees, logjams, brush, debris, and beaver dams from county drains and easements. The intent of the program was to be less invasive than large equipment, more cost effective, and more proactive toward drain maintenance. If county drains are maintained on a regular basis, then the possibility of larger construction projects are reduced which translates into lowering overall maintenance costs in the future.

***Partnerships***



**Van Buren County**  
S H E R I F F



**VAN BUREN COUNTY**  
DRAIN COMMISSIONER



**Before Drain Crew Cleaned**

**Statistics**

**October 1<sup>st</sup>, 2021, to  
September 30, 2022**

Bed Days Saved: **296**

Total savings 296 bed days x  
\$30.00 per day = **\$8,880 savings  
for the county.**

Total Man Hour's Worked: **1,500**

Total Participants: **11**

Successful: **06**

Active: **02**



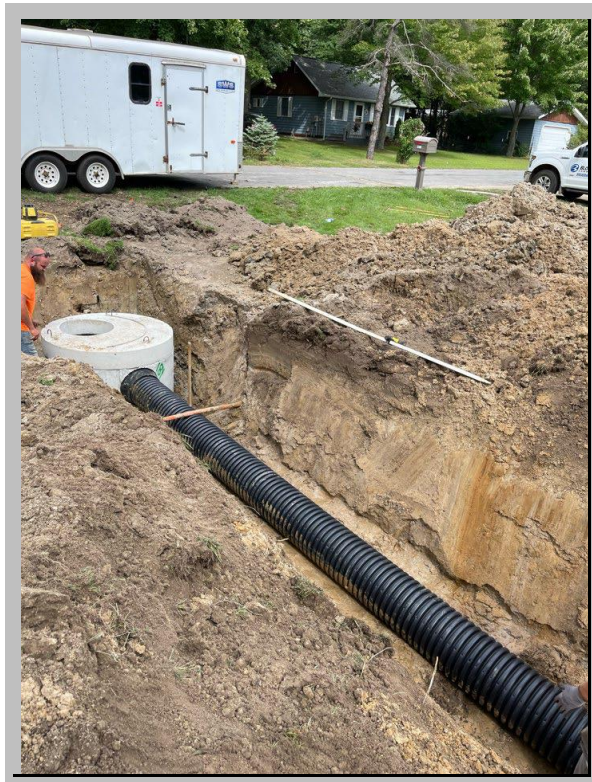
**After Drain Crew Cleaned Drain**



## Property Owner Petitioned Drain Projects 2020-21: (3) Projects

### 1) Scott Lake Drain Petition – Arlington, Columbia, Bloomingdale and Waverly Townships:

A petition was submitted to the Van Buren County Drain Commissioner to help address the flooding issues around Scott Lake, Scott Shores Subdivision. On September 8, 2018, the Board of Determination approved the necessity of the petition. With the necessity order the Drain Office can move forward to help address the flooding problems and establish a branch to the Scott Lake Drain.



#### **\*Current Status:**

August 15, 2022: Construction staging and tree removal.

August: 26<sup>th</sup>: Sunset Circle Branch clean-out.

September 6<sup>th</sup>: Construction started on the 3 drain outlets to the lake.

September 19<sup>th</sup>: Construction started on the roadside drains.

October 6<sup>th</sup>: Substantial completion of project should be done.

Engineer Firm: LRE Engineers & Surveyor

Contractor: Site Work Solutions, Inc.



## 2) Van-Cass IC Drain Petition, Bankson Lake, Porter Twp.



### Summary:

- Received Petition May 28, 2019: 69 signatures.
- Intercounty drain with Cass County. Intercounty Drain Board makes decisions.
- Hearing of Practicability held on August 23, 2019.
- Petition determined Practicable.
- Moving forward with possible drain route & course, engineer study and drainage district, determine necessity of project.
- Hearing of Necessity of petition December 21, 2020. The Board determined the project necessary for the public health, convenience, and welfare.

### Legal Timeline:

Some property owners (January 20, 2021) and Porter & Marcellus Twps. (February 8, 2021, filed in Circuit Court against the necessity of the petition under MCL 280.72a

Van Buren County Circuit Court Opinion and Order, **July 30, 2021**  
“...the Drainage Board's motions for partial summary disposition are granted and the claims of appeal filed by Porter Township, Marcellus Township, and Seth and Karen Churchill are dismissed for lack of merit in the grounds presented.”

### September 14, 2021

Porter & Marcellus Twp. Filed an appeal against VBC Circuit Courts Opinion and Order in the Michigan Court of Appeals.

### \*\*October 11, 2022

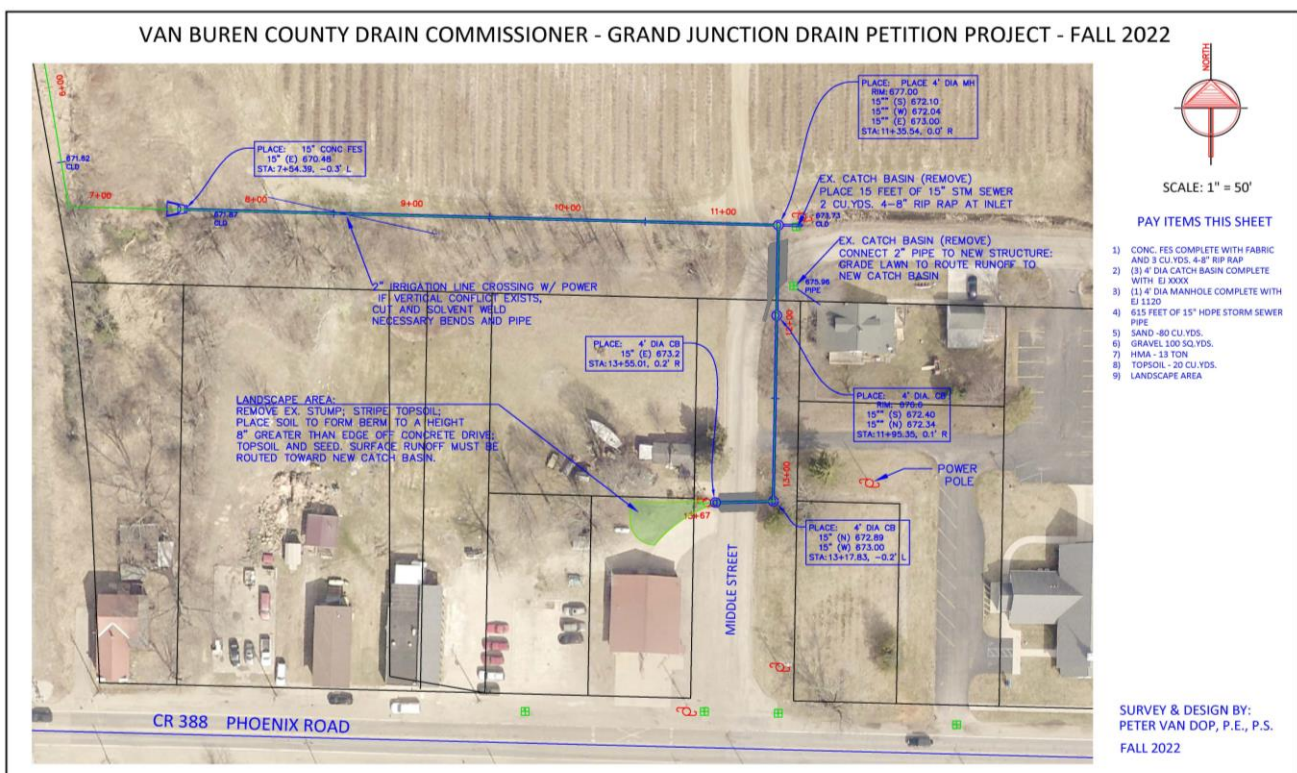
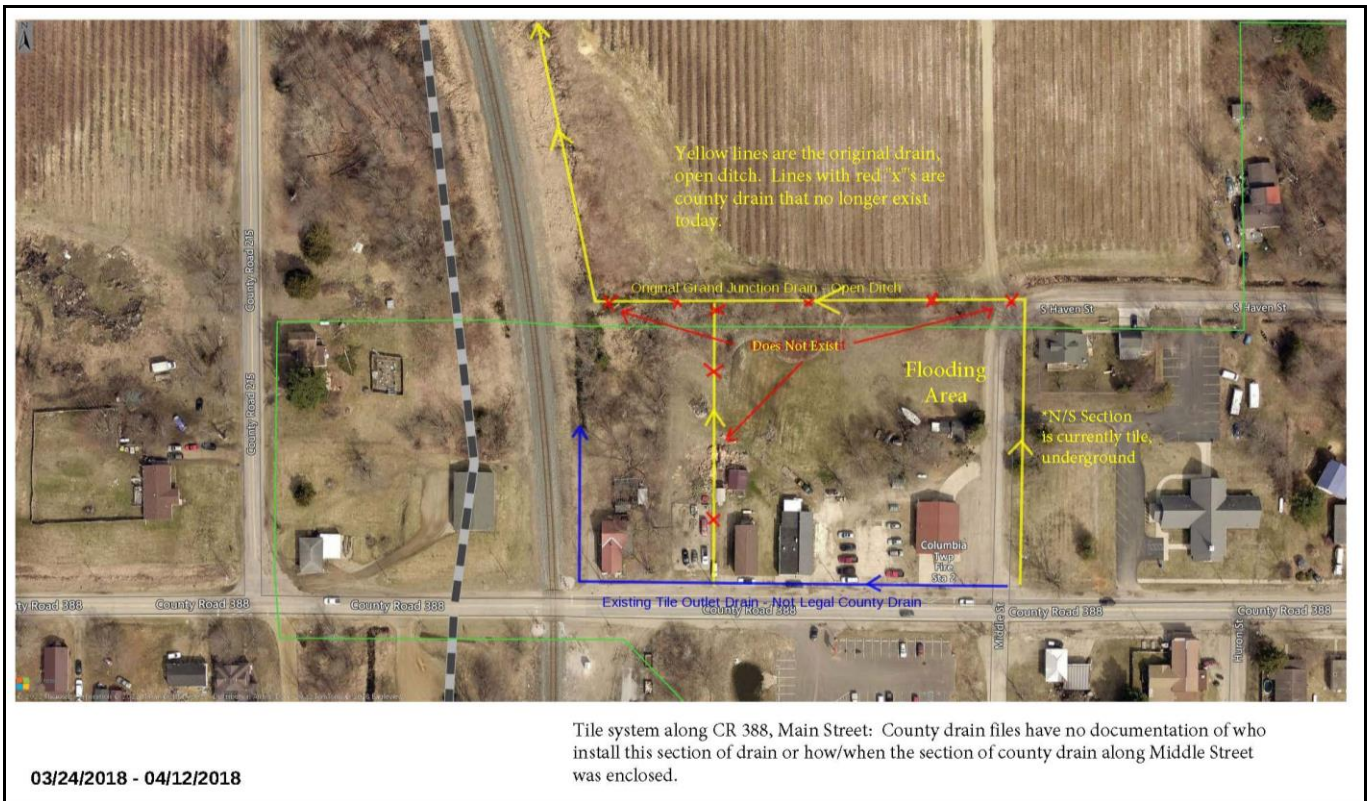
Court of Appeals, Grand Rapids Oral Arguments.





### 3) Grand Junction Drain Petition, Columbia Twp.

A petition was submitted by Columbia Township on March 18, 2022, for the Grand Junction Drain. Over the past several years the township has received complaints of flooding off of streets in downtown Grand Junction. Over the years, the county drain was modified without approval of the drain office and the original outlet of the drain was removed and rerouted. In order for additional work to be done to relieve the flooding and the original drain restored, a petition was required to do the work. On May 4, 2022, a Board of Determination approve the petition and necessary. Design has been finalized and the project will go out for bid in late October, early November 2022.





## **Soil Erosion and Sedimentation Control (SESC) Permit Program**

Under the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 91 the Drain Office oversees permits and enforcement for Soil Erosion and Sedimentation Control, SESC in Van Buren County. EGLE/MDEQ oversees SESC programs throughout the state of Michigan performing program guidance, review, inspections, regulations, and audits.

### **SESC Permit Stats 2021-22:**

Total Active Permits: **179** Permit Fee Total: **\$24,917.00**

Commercial Site Permits: 62 Residential Site Permits: 117

**Site Inspection Picture: Failed Soil Erosion Control Measures, Silt Fence – Bangor**



## **Stormwater Site Plan Development Review:** October 1, 2021 – September 30, 2022: **25** Sites reviewed

The Drain Office is required by The Land Division Act No. 288 of 1967 to review site plans for all county established plats for proper storm water management. However, plat developments are becoming a rarity and most developments are established under Condominium Act, Public Act 59 of 1978 in which the Drain Commissioner receives a “Notice of Intent” to establish but is not required under state law to review the site plans. If a municipality chooses to have the Drain Office review a Site Condo, Planned Unit Development, or other site plan’s then they must adopt, by resolution the Drain Office’s “Site Development Rules”. This offers municipalities the ability to have an outside agency review site plans for proper storm water management. Additionally, municipalities that don’t have planning or zoning can adopt the rules to ensure proper plan design for storm water management when municipal regulations do not apply or exist.



# ANNUAL PROJECT TOTALS FOR VAN BUREN COUNTY

## 2022 Drain and Lake Level Assessments

| Drains/Lake Levels by Municipality | Property/Parcels   | Municipalities<br>At-Large | County<br>At-Large | Other | Total              |
|------------------------------------|--------------------|----------------------------|--------------------|-------|--------------------|
| <b>01 ALMENA</b>                   |                    |                            |                    |       |                    |
| 1618 OLSON                         | \$2,307.50         | \$887.50                   |                    |       | \$3,195.00         |
| 314 CARR                           | \$216.41           | \$44.20                    |                    |       | \$260.61           |
| <b>TOTAL 01 ALMENA</b>             | <b>\$2,523.91</b>  | <b>\$931.70</b>            |                    |       | <b>\$3,455.61</b>  |
| <b>02 ANTWERP</b>                  |                    |                            |                    |       |                    |
| 1240 LAWTON                        | \$1,118.78         | \$586.71                   |                    |       | \$1,705.49         |
| 239 BOB-O-LINK ESTATES             | \$37,989.17        | \$9,591.29                 |                    |       | \$47,580.46        |
| 374 COOK                           | \$2,927.08         | \$1,533.00                 |                    |       | \$4,460.08         |
| <b>TOTAL 02 ANTWERP</b>            | <b>\$42,035.03</b> | <b>\$11,711.00</b>         |                    |       | <b>\$53,746.03</b> |
| <b>03 ARLINGTON</b>                |                    |                            |                    |       |                    |
| 1912 RAWSON & HUCKLEBERRY          | \$263.36           | \$218.67                   |                    |       | \$482.03           |
| 2013 SCOTT LAKE                    | \$33,261.10        | \$16,573.68                |                    |       | \$49,834.78        |
| 2072 STANLEY                       | \$907.91           | \$456.03                   |                    |       | \$1,363.94         |
| 230 BLACK RIVER EXT                | \$3,880.32         | \$776.00                   |                    |       | \$4,656.32         |
| 322 CEDAR                          | \$635.77           | \$595.00                   |                    |       | \$1,230.77         |
| <b>TOTAL 03 ARLINGTON</b>          | <b>\$38,948.46</b> | <b>\$18,619.38</b>         |                    |       | <b>\$57,567.84</b> |
| <b>04 BANGOR</b>                   |                    |                            |                    |       |                    |
| 1352 MUD LAKE DRN                  | \$3,245.82         | \$667.75                   |                    |       | \$3,913.57         |
| 2010 SCHOOL SECTION LAKE           | \$1,981.04         | \$990.53                   |                    |       | \$2,971.57         |
| 2072 STANLEY                       | \$333.56           | \$329.36                   |                    |       | \$662.92           |
| 2418 WILLIAMS                      | \$241.32           | \$503.77                   |                    |       | \$745.09           |
| 294 BUTTERNUT                      | \$1,479.03         | \$289.50                   |                    |       | \$1,768.53         |
| 3008 BRANCH & DERBY ICD            | \$1,346.91         | \$1,375.00                 |                    |       | \$2,721.91         |
| 322 CEDAR                          | \$1,363.97         | \$1,487.50                 |                    |       | \$2,851.47         |
| 430 DUCK LAKE                      | \$1,192.87         | \$159.05                   |                    |       | \$1,351.92         |
| <b>TOTAL 04 BANGOR</b>             | <b>\$11,184.52</b> | <b>\$5,802.46</b>          |                    |       | <b>\$16,986.98</b> |
| <b>05 BLOOMINGDALE</b>             |                    |                            |                    |       |                    |
| 120 ALLEN                          | \$223.14           | \$87.83                    |                    |       | \$310.97           |
| 1248 LITTLE BEAR LAKE              | \$171.57           | \$46.11                    |                    |       | \$217.68           |
| 1314 MARTIN LAKE                   | \$1,092.00         | \$234.00                   |                    |       | \$1,326.00         |
| 2013 SCOTT LAKE                    | \$421.76           | \$2,486.05                 |                    |       | \$2,907.81         |
| 214 BEALS & HAVEN                  | \$1,339.01         | \$309.00                   |                    |       | \$1,648.01         |
| 225 BESSEY                         | \$274.92           | \$94.10                    |                    |       | \$369.02           |
| 230 BLACK RIVER EXT                | \$70.18            | \$77.60                    |                    |       | \$147.78           |
| 3010 BRUSH CREEK ICD               | \$10,239.49        | \$1,225.00                 |                    |       | \$11,464.49        |
| 814 HAVEN SEDIMENT BASIN           | \$9,949.78         | \$330.40                   |                    |       | \$10,280.18        |
| <b>TOTAL 05 BLOOMINGDALE</b>       | <b>\$23,781.85</b> | <b>\$4,890.09</b>          |                    |       | <b>\$28,671.94</b> |



|                             |                    |                   |  |  |                    |
|-----------------------------|--------------------|-------------------|--|--|--------------------|
| <b>06 COLUMBIA</b>          |                    |                   |  |  |                    |
| 1011 JEPHTHA LAKE           | \$2,857.85         | \$890.15          |  |  | \$3,748.00         |
| 1248 LITTLE BEAR LAKE       | \$3,402.10         | \$461.06          |  |  | \$3,863.16         |
| 2013 SCOTT LAKE             | \$1,258.07         | \$2,486.05        |  |  | \$3,744.12         |
| 2066 SPICE BUSH             | \$2,280.00         | \$285.00          |  |  | \$2,565.00         |
| 208 BARNARD                 | \$752.35           | \$101.00          |  |  | \$853.35           |
| 225 BESSEY                  | \$3,155.97         | \$470.50          |  |  | \$3,626.47         |
| 230 BLACK RIVER EXT         | \$943.54           | \$77.60           |  |  | \$1,021.14         |
| 272 BROWN                   | \$786.00           | \$285.82          |  |  | \$1,071.82         |
| 3010 BRUSH CREEK ICD        | \$39,048.86        | \$3,062.50        |  |  | \$42,111.36        |
| 814 HAVEN SEDIMENT BASIN    | \$802.50           |                   |  |  | \$802.50           |
| <b>TOTAL 06 COLUMBIA</b>    | <b>\$55,287.24</b> | <b>\$8,119.68</b> |  |  | <b>\$63,406.92</b> |
|                             |                    |                   |  |  |                    |
| <b>07 COVERT</b>            |                    |                   |  |  |                    |
| 1342 MINER                  | \$711.17           | \$193.20          |  |  | \$904.37           |
| 2053 SIMMONS                | \$1,847.13         | \$230.88          |  |  | \$2,078.01         |
| 3008 BRANCH & DERBY ICD     | \$6,265.82         | \$2,750.00        |  |  | \$9,015.82         |
| <b>TOTAL 07 COVERT</b>      | <b>\$8,824.12</b>  | <b>\$3,174.08</b> |  |  | <b>\$11,998.20</b> |
|                             |                    |                   |  |  |                    |
| <b>08 DECATUR</b>           |                    |                   |  |  |                    |
| 1246A LINDSLEY DRAIN        | \$7,968.12         | \$2,212.54        |  |  | \$10,180.66        |
| 235 BLADE                   | \$2,995.02         | \$1,054.62        |  |  | \$4,049.64         |
| 3060 SHELLENBERGER          | \$1,239.50         | \$134.00          |  |  | \$1,373.50         |
| 310 CARNEY                  | \$2,202.00         | \$734.00          |  |  | \$2,936.00         |
| 423 DOWAGIAC RIVER          | \$7,931.24         | \$815.44          |  |  | \$8,746.68         |
| 505 EAGLE LAKE              | \$1,497.28         | \$740.91          |  |  | \$2,238.19         |
| <b>TOTAL 08 DECATUR</b>     | <b>\$23,833.16</b> | <b>\$5,691.51</b> |  |  | <b>\$29,524.67</b> |
|                             |                    |                   |  |  |                    |
| <b>09 GENEVA</b>            |                    |                   |  |  |                    |
| 2138 TRIPP                  | \$2,491.41         | \$348.89          |  |  | \$2,840.30         |
| <b>TOTAL 09 GENEVA</b>      | <b>\$2,491.41</b>  | <b>\$348.89</b>   |  |  | <b>\$2,840.30</b>  |
|                             |                    |                   |  |  |                    |
| <b>10 HAMILTON</b>          |                    |                   |  |  |                    |
| 1246A LINDSLEY DRAIN        | \$890.30           | \$442.51          |  |  | \$1,332.81         |
| 2046 SHOUDY                 | \$931.39           | \$584.89          |  |  | \$1,516.28         |
| 235 BLADE                   | \$520.38           | \$351.54          |  |  | \$871.92           |
| 423 DOWAGIAC RIVER          | \$5,503.67         | \$555.98          |  |  | \$6,059.65         |
| 505 EAGLE LAKE              | \$244.10           | \$148.18          |  |  | \$392.28           |
| <b>TOTAL 10 HAMILTON</b>    | <b>\$8,089.84</b>  | <b>\$2,083.10</b> |  |  | <b>\$10,172.94</b> |
|                             |                    |                   |  |  |                    |
| <b>11 HARTFORD</b>          |                    |                   |  |  |                    |
| 1352 MUD LAKE DRN           | \$1,428.42         | \$333.88          |  |  | \$1,762.30         |
| 2318 VANDERLYN              | \$33.10            | \$33.50           |  |  | \$66.60            |
| 2418 WILLIAMS               | \$419.23           | \$531.33          |  |  | \$950.56           |
| 3008 BRANCH & DERBY ICD     | \$269.39           | \$550.00          |  |  | \$819.39           |
| 818 OLD HEALTH AND CEMETERY | \$2,777.02         | \$1,604.59        |  |  | \$4,381.61         |
| <b>TOTAL 11 HARTFORD</b>    | <b>\$4,927.16</b>  | <b>\$3,053.30</b> |  |  | <b>\$7,980.46</b>  |



|                               |                    |                    |  |  |                    |
|-------------------------------|--------------------|--------------------|--|--|--------------------|
|                               |                    |                    |  |  |                    |
| <b>12 KEELER</b>              |                    |                    |  |  |                    |
| 2318 VANDERLYN                | \$2,445.17         | \$502.50           |  |  | \$2,947.67         |
| 5015 CROOKED LAKE LEVEL       | \$5,906.95         |                    |  |  |                    |
| <b>TOTAL 12 KEELER</b>        | <b>\$8,352.12</b>  | <b>\$502.50</b>    |  |  | <b>\$2,947.67</b>  |
|                               |                    |                    |  |  |                    |
| <b>13 LAWRENCE</b>            |                    |                    |  |  |                    |
| 1230 LAMPHEAR, WITTER & HEATH | \$2,178.67         | \$1,214.87         |  |  | \$3,393.54         |
| 1236 LAWRENCE                 | \$269.76           | \$76.35            |  |  | \$346.11           |
| 505 EAGLE LAKE                | \$262.43           | \$222.27           |  |  | \$484.70           |
| <b>TOTAL 13 LAWRENCE</b>      | <b>\$2,710.86</b>  | <b>\$1,513.49</b>  |  |  | <b>\$4,224.35</b>  |
|                               |                    |                    |  |  |                    |
| <b>14 PAW</b>                 |                    |                    |  |  |                    |
| 1240 LAWTON                   | \$620.62           | \$130.38           |  |  | \$751.00           |
| 2122 THREE MILE LK & JENNINGS | \$40,663.81        | \$5,821.74         |  |  | \$46,485.55        |
| 505 EAGLE LAKE                | \$2,516.48         | \$740.91           |  |  | \$3,257.39         |
| <b>TOTAL 14 PAW</b>           | <b>\$43,800.91</b> | <b>\$6,693.03</b>  |  |  | <b>\$50,493.94</b> |
|                               |                    |                    |  |  |                    |
| <b>15 PINE</b>                |                    |                    |  |  |                    |
| 1114 KENDALL                  | \$2,525.63         | \$333.00           |  |  | \$2,858.63         |
| 2322 VELEY                    | \$3,760.00         | \$470.00           |  |  | \$4,230.00         |
| <b>TOTAL 15 PINE</b>          | <b>\$6,285.63</b>  | <b>\$803.00</b>    |  |  | <b>\$7,088.63</b>  |
|                               |                    |                    |  |  |                    |
| <b>16 PORTER</b>              |                    |                    |  |  |                    |
| 366 CONKLIN                   | \$1,227.95         | \$76.75            |  |  | \$1,304.70         |
| 5025 GRAVEL LAKE LEVEL        | \$5,928.00         | \$936.00           |  |  | \$6,864.00         |
| <b>TOTAL 16 PORTER</b>        | <b>\$7,155.95</b>  | <b>\$1,012.75</b>  |  |  | <b>\$8,168.70</b>  |
|                               |                    |                    |  |  |                    |
| <b>17 SOUTH HAVEN</b>         |                    |                    |  |  |                    |
| 1218 LAMBERT                  | \$13,496.93        | \$8,882.28         |  |  | \$22,379.21        |
| 1342 MINER                    | \$2,264.59         | \$821.10           |  |  | \$3,085.69         |
| 1720 PETERSON                 | \$4,503.74         | \$2,508.80         |  |  | \$7,012.54         |
| <b>TOTAL 17 SOUTH HAVEN</b>   | <b>\$20,265.26</b> | <b>\$12,212.18</b> |  |  | <b>\$32,477.44</b> |
|                               |                    |                    |  |  |                    |
| <b>18 WAVERLY</b>             |                    |                    |  |  |                    |
| 1022 JONES & ALLEN            | \$3,623.06         | \$910.55           |  |  | \$4,533.61         |
| 120 ALLEN                     | \$1,015.01         | \$263.50           |  |  | \$1,278.51         |
| 1912 RAWSON & HUCKLEBERRY     | \$501.96           | \$437.33           |  |  | \$939.29           |
| 2013 SCOTT LAKE               | \$1,527.98         | \$4,143.42         |  |  | \$5,671.40         |
| 2039 SHEARS & CHASE           | \$1,663.29         | \$378.38           |  |  | \$2,041.67         |
| 2110 TEAMAN                   | \$915.11           | \$120.25           |  |  | \$1,035.36         |
| 230 BLACK RIVER EXT           | \$937.60           | \$388.00           |  |  | \$1,325.60         |
| 314 CARR                      | \$1,394.46         | \$221.00           |  |  | \$1,615.46         |
| 522 ELM FLAT                  | \$1,801.36         | \$554.25           |  |  | \$2,355.61         |
| <b>TOTAL 18 WAVERLY</b>       | <b>\$13,379.83</b> | <b>\$7,416.68</b>  |  |  | <b>\$20,796.51</b> |
|                               |                    |                    |  |  |                    |



|                                  |                    |                    |            |  |                    |
|----------------------------------|--------------------|--------------------|------------|--|--------------------|
|                                  |                    |                    |            |  |                    |
| <b>42 VBLOOMINGDALE</b>          |                    |                    |            |  |                    |
| 3010 BRUSH CREEK ICD             | \$458.08           |                    |            |  | \$458.08           |
| 814 HAVEN SEDIMENT BASIN         | \$494.69           |                    |            |  | \$494.69           |
| <b>TOTAL 42 VBLOOMINGDALE</b>    | <b>\$952.77</b>    |                    |            |  | <b>\$1,271.05</b>  |
|                                  |                    |                    |            |  |                    |
| <b>43 VDECATUR</b>               |                    |                    |            |  |                    |
| 423 DOWAGIAC RIVER               | \$2,428.34         | \$555.98           |            |  | \$2,984.32         |
| <b>TOTAL 43 VDECATUR</b>         | <b>\$2,428.34</b>  | <b>\$555.98</b>    |            |  | <b>\$2,984.32</b>  |
|                                  |                    |                    |            |  |                    |
| <b>44 VLAWRENCE</b>              |                    |                    |            |  |                    |
| 1236 LAWRENCE                    | \$4,496.81         | \$652.93           |            |  | \$5,149.74         |
| <b>TOTAL 44 VLAWRENCE</b>        | <b>\$4,496.81</b>  | <b>\$652.93</b>    |            |  | <b>\$5,149.74</b>  |
|                                  |                    |                    |            |  |                    |
| <b>45 45*LAWTON</b>              |                    |                    |            |  |                    |
| 1240 LAWTON                      | \$1,085.50         | \$130.38           |            |  | \$1,215.88         |
| <b>TOTAL 45 45*LAWTON</b>        | <b>\$1,085.50</b>  | <b>\$130.38</b>    |            |  | <b>\$1,215.88</b>  |
|                                  |                    |                    |            |  |                    |
| <b>46 MATTAWAN</b>               |                    |                    |            |  |                    |
| 239 BOB-O-LINK ESTATES           | \$36,425.35        | \$17,812.40        |            |  | \$54,237.75        |
| 374 COOK                         | \$3,204.92         |                    |            |  | \$3,204.92         |
| <b>TOTAL 46 MATTAWAN</b>         | <b>\$39,630.27</b> | <b>\$17,812.40</b> |            |  | <b>\$57,442.67</b> |
|                                  |                    |                    |            |  |                    |
| <b>52 HARTFORD CITY</b>          |                    |                    |            |  |                    |
| 818 OLD HEALTH AND CEMETERY      | \$16,505.50        | \$6,418.42         |            |  | \$22,923.92        |
| <b>TOTAL 52 HARTFORD CITY</b>    | <b>\$16,505.50</b> | <b>\$6,418.42</b>  |            |  | <b>\$22,923.92</b> |
|                                  |                    |                    |            |  |                    |
| <b>53 SOUTH HAVEN CITY</b>       |                    |                    |            |  |                    |
| 1720 PETERSON                    | \$10,632.29        | \$3,763.20         |            |  | \$14,395.49        |
| <b>TOTAL 53 SOUTH HAVEN CITY</b> | <b>\$10,632.29</b> | <b>\$3,763.20</b>  |            |  | <b>\$14,395.49</b> |
|                                  |                    |                    |            |  |                    |
| <b>54 BANGOR CITY</b>            |                    |                    |            |  |                    |
| 322 CEDAR                        | \$130.36           |                    |            |  | \$130.36           |
| <b>TOTAL 54 BANGOR CITY</b>      | <b>\$130.36</b>    |                    |            |  | <b>\$130.36</b>    |
|                                  |                    |                    |            |  |                    |
|                                  |                    |                    |            |  |                    |
| <b>80 VAN BUREN COUNTY</b>       |                    |                    |            |  |                    |
| 1011 JEPHTHA LAKE                |                    |                    | \$937.00   |  | \$937.00           |
| 1022 JONES & ALLEN               |                    |                    | \$1,517.58 |  | \$1,517.58         |
| 1114 KENDALL                     |                    |                    | \$499.50   |  | \$499.50           |
| 120 ALLEN                        |                    |                    | \$175.67   |  | \$175.67           |
| 1218 LAMBERT                     |                    |                    | \$6,344.48 |  | \$6,344.48         |
| 1230 LAMPHEAR, WITTER & HEATH    |                    |                    | \$1,656.67 |  | \$1,656.67         |
| 1236 LAWRENCE                    |                    |                    | \$503.90   |  | \$503.90           |
| 1240 LAWTON                      |                    |                    | \$586.71   |  | \$586.71           |
| 1246A LINDSLEY DRAIN             |                    |                    | \$2,950.06 |  | \$2,950.06         |



|                                  |  |  |                    |  |                    |
|----------------------------------|--|--|--------------------|--|--------------------|
| 1248 LITTLE BEAR LAKE            |  |  | \$529.76           |  | \$529.76           |
| 1314 MARTIN LAKE                 |  |  | \$234.00           |  | \$234.00           |
| 1342 MINER                       |  |  | \$839.94           |  | \$839.94           |
| 1352 MUD LAKE DRN                |  |  | \$1,001.63         |  | \$1,001.63         |
| 1618 OLSON                       |  |  | \$355.00           |  | \$355.00           |
| 1720 PETERSON                    |  |  | \$1,254.40         |  | \$1,254.40         |
| 1912 RAWSON & HUCKLEBERRY        |  |  | \$765.33           |  | \$765.33           |
| 2010 SCHOOL SECTION LAKE         |  |  | \$990.53           |  | \$990.53           |
| 2013 SCOTT LAKE                  |  |  | \$20,717.10        |  | \$20,717.10        |
| 2039 SHEARS & CHASE              |  |  | \$378.38           |  | \$378.38           |
| 2046 SHOUDY                      |  |  | \$649.87           |  | \$649.87           |
| 2053 SIMMONS                     |  |  | \$230.88           |  | \$230.88           |
| 2066 SPICE BUSH                  |  |  | \$285.00           |  | \$285.00           |
| 2072 STANLEY                     |  |  | \$506.70           |  | \$506.70           |
| 208 BARNARD                      |  |  | \$156.65           |  | \$156.65           |
| 2110 TEAMAN                      |  |  | \$120.25           |  | \$120.25           |
| 2122 THREE MILE LK & JENNINGS    |  |  | \$5,821.74         |  | \$5,821.74         |
| 2138 TRIPP                       |  |  | \$268.62           |  | \$268.62           |
| 214 BEALS & HAVEN                |  |  | \$412.00           |  | \$412.00           |
| 225 BESSEY                       |  |  | \$709.51           |  | \$709.51           |
| 230 BLACK RIVER EXT              |  |  | \$609.16           |  | \$609.16           |
| 2318 VANDERLYN                   |  |  | \$335.00           |  | \$335.00           |
| 2322 VELEY                       |  |  | \$470.00           |  | \$470.00           |
| 235 BLADE                        |  |  | \$937.44           |  | \$937.44           |
| 239 BOB-O-LINK ESTATES           |  |  | \$10,728.55        |  | \$10,728.55        |
| 2418 WILLIAMS                    |  |  | \$1,185.33         |  | \$1,185.33         |
| 272 BROWN                        |  |  | \$357.28           |  | \$357.28           |
| 294 BUTTERNUT                    |  |  | \$193.00           |  | \$193.00           |
| 3008 BRANCH & DERBY ICD          |  |  | \$2,750.00         |  | \$2,750.00         |
| 3010 BRUSH CREEK ICD             |  |  | \$7,221.38         |  | \$7,221.38         |
| 3060 SHELLENBERGER               |  |  | \$301.50           |  | \$301.50           |
| 310 CARNEY                       |  |  | \$734.00           |  | \$734.00           |
| 314 CARR                         |  |  | \$221.00           |  | \$221.00           |
| 322 CEDAR                        |  |  | \$1,487.50         |  | \$1,487.50         |
| 366 CONKLIN                      |  |  | \$230.25           |  | \$230.25           |
| 374 COOK                         |  |  | \$3,285.00         |  | \$3,285.00         |
| 423 DOWAGIAC RIVER               |  |  | \$500.38           |  | \$500.38           |
| 430 DUCK LAKE                    |  |  | \$238.58           |  | \$238.58           |
| 5025 GRAVEL LAKE LEVEL           |  |  | \$936.00           |  | \$936.00           |
| 505 EAGLE LAKE                   |  |  | \$925.40           |  | \$925.40           |
| 522 ELM FLAT                     |  |  | \$415.69           |  | \$415.69           |
| 814 HAVEN SEDIMENT BASIN         |  |  | \$222.63           |  | \$222.63           |
| 818 OLD HEALTH AND CEMETERY      |  |  | \$1,864.55         |  | \$1,864.55         |
| <b>TOTAL 80 VAN BUREN COUNTY</b> |  |  | <b>\$87,548.48</b> |  | <b>\$87,548.48</b> |
|                                  |  |  |                    |  |                    |
|                                  |  |  |                    |  |                    |

|                               |                     |                     |                    |                    |                     |
|-------------------------------|---------------------|---------------------|--------------------|--------------------|---------------------|
|                               |                     |                     |                    |                    |                     |
| <b>AMTRAK</b>                 |                     |                     |                    |                    |                     |
| 1240 LAWTON                   |                     | \$43.46             |                    |                    | \$43.46             |
| 239 BOB-O-LINK ESTATES        |                     | \$493.26            |                    |                    | \$493.26            |
| 423 DOWAGIAC RIVER            |                     | \$129.73            |                    |                    | \$129.73            |
| <b>TOTAL AMTRAK</b>           |                     | <b>\$666.45</b>     |                    |                    | <b>\$666.45</b>     |
|                               |                     |                     |                    |                    |                     |
| <b>BER BERRIEN COUNTY</b>     |                     |                     |                    |                    |                     |
| 3008 BRANCH & DERBY ICD       |                     | \$0.00              |                    | \$11,825.00        | \$11,825.00         |
| <b>TOTAL BERRIEN COUNTY</b>   |                     | <b>\$0.00</b>       |                    | <b>\$11,825.00</b> | <b>\$11,825.00</b>  |
|                               |                     |                     |                    |                    |                     |
| <b>CSXRR</b>                  |                     |                     |                    |                    |                     |
| 2418 WILLIAMS                 |                     | \$88.90             |                    |                    | \$88.90             |
| 322 CEDAR                     |                     | \$249.90            |                    |                    | \$249.90            |
| <b>TOTAL CSXRR</b>            |                     | <b>\$338.80</b>     |                    |                    | <b>\$338.80</b>     |
|                               |                     |                     |                    |                    |                     |
| <b>MDOT</b>                   |                     |                     |                    |                    |                     |
| 1218 LAMBERT                  |                     | \$2,766.20          |                    |                    | \$2,766.20          |
| 1240 LAWTON                   |                     | \$43.46             |                    |                    | \$43.46             |
| 1720 PETERSON                 |                     | \$2,107.39          |                    |                    | \$2,107.39          |
| 2039 SHEARS & CHASE           |                     | \$107.96            |                    |                    | \$107.96            |
| 2110 TEAMAN                   |                     | \$50.99             |                    |                    | \$50.99             |
| 2122 THREE MILE LK & JENNINGS |                     | \$3,609.48          |                    |                    | \$3,609.48          |
| 239 BOB-O-LINK ESTATES        |                     | \$14,811.70         |                    |                    | \$14,811.70         |
| 3008 BRANCH & DERBY ICD       |                     | \$363.00            |                    |                    | \$363.00            |
| 314 CARR                      |                     | \$112.93            |                    |                    | \$112.93            |
| 423 DOWAGIAC RIVER            |                     | \$111.20            |                    |                    | \$111.20            |
| 505 EAGLE LAKE                |                     | \$111.14            |                    |                    | \$111.14            |
| 818 OLD HEALTH AND CEMETERY   |                     | \$2,037.85          |                    |                    | \$2,037.85          |
| <b>TOTAL MDOT</b>             |                     | <b>\$26,233.30</b>  |                    |                    | <b>\$26,233.30</b>  |
|                               |                     |                     |                    |                    |                     |
|                               |                     |                     |                    |                    |                     |
|                               | Property/parcels    | At-Larges           | County At-Large    | Other              | Total               |
| <b>TOTALS:</b>                | <b>\$399,739.10</b> | <b>\$151,150.68</b> | <b>\$87,548.48</b> | <b>\$11,825.00</b> | <b>\$650,263.26</b> |